

REMARKS

Following entry of this Amendment, claims 1-2 and 4-5 will be pending. Claims 4-5 have been withdrawn from consideration pursuant to a restriction requirement.

Amendment Summary

Claim 1 is amended to incorporate the subject matter of previous claim 3.

Claim 3 is canceled.

Claim 4 is amended to remove its dependency from claim 3 because claim 3 is canceled.

No new matter is presented by this Amendment, and Applicants respectfully submit that entry of this Amendment is proper.

Response to claim rejection

The sole rejection in the Office Action dated June 7, 2006 rejected claims 1-3 under 35 U.S.C. § 102(b) as allegedly being anticipated by Kuroda et al (US 5,831,296) (hereinafter “Kuroda”).

Applicants respectfully request reconsideration and withdrawal of this rejection.

The present claims relate to a compound semiconductor epitaxial substrate for use in a strain channel high electron mobility field effect transistor. The compound semiconductor epitaxial substrate comprises an InGaAs layer as a strain channel layer and an AlGaAs layer as an electron supplying layer. The AlGaAs layer contains n-type impurities and the InGaAs layer has an electron mobility of 8300 cm²/V·s or more at room temperature. In addition, the present

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claims also recite GaAs layers having a thickness of 4 nm or more each are laminated respectively in contact with a top surface and a bottom surface of the strain channel layer.

Applicants respectfully submit that Kuroda does not anticipate the present claims. Kuroda does not disclose the thickness of GaAs layers that are laminated in contact with a top surface and a bottom surface of the strain channel layer. In the absence of such a disclosure, Applicants respectfully submit that Kuroda does not anticipate the present claims.

In view of the above, reconsideration and allowance of this application are now believed to be in order, and such actions are hereby solicited. If any points remain in issue which the Examiner feels may be best resolved through a personal or telephone interview, the Examiner is kindly requested to contact the undersigned at the telephone number listed below.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,

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Date: December 7, 2006